

## ANP 455: DAEA First Digital Skills Workshop – Github

1. Intro to the workshop
  - a. Ppt with terminology
  - b. Create github account: <https://github.com/>
    - i. Use MSU email and netid for the username
    - ii. Sign up for the free version – can add education development pack later
  - c. Downloading github desktop client: <https://desktop.github.com/s>
  - d. Download Atom text editor: <https://atom.io/>
2. Diagram and project overview
3. Starting in Github
  - a. Search for **daea-fs18** in the search bar at the top left
  - b. **msu-anthropology/daea-fs18** – this is the master repo in cloud
    - i. Fork their own repo – top right hand corner
      1. Know it's theirs – top left: **username/daea-fs18**
        - a. Underneath: forked from **msu-anthropology/daea-fs18**
        - b. | *Troubleshoot: can click on the fork icon to get back to your personal fork* |
      - ii. Navigating in repo
        1. Wiki: <https://github.com/msu-anthropology/daea-fs18/wiki>
          - a. | *Troubleshoot: only available on msu-anthropology master OR within your forked repo, but as text pages – not interactive/normal view* |
        2. <Code>: to get you back to the main page of your repo
        3. Settings → GitHub Pages section
          - a. Change the **source** from **gh-pages** to **master branch** → save
  4. Click **Clone or download** in the green box to clone your forked repo
    - a. Choose **Open in desktop**, not ZIP
  5. Starting in desktop client
    - a. Click **Fetch origin** – this makes sure that you're working in the most current form of your forked repo – good for avoiding conflicts
    - b. **Changes & History**
    - c. Click: Current repo: **daea-fs18**
      - i. Ideally only one repo appears: **daea-fs18**
        1. Fork symbol should be beside – know it's yours and not the MSU master
    - d. Make sure Atom is the default text editor
      - i. PC: **File** → **Options** → **Advanced** → **External Editor** set to Atom

- ii. MAC: **Github Desktop** → **Preferences** → **External Editor** set to Atom
    - iii. Save
  - e. Right click/ctrl click on the repo – Open in Atom
- 6. Starting in Atom
  - a. Folders and files the same as on Github
  - b. Under the Project tab, click **sites** folder
    - i. Sites = archaeological site, nothing to do with ‘websites’
    - ii. **AA-template** folder – right click/ctrl click → **Duplicate**
    - iii. Rename duplicate folder (right click/ctrl click → **Rename**) to their site name
      - 1. No spaces or capital letters
      - 2. E.g. Tel el-Amarna = tel-el-amarna
- 7. Editing files in their new project
  - a. Click to open renamed site-name folder
    - i. Rename **AA-template.html** to site/**site-name.html**
  - b. Right click on renamed project folder → **New Folder**
    - i. Name this img
  - c. Should now have two items within their project-name folder:
    - i. img (folder)
    - ii. site-name.html
- 8. Edit the site-name.html
  - a. Quick description of html as markup – dictates how to show images and texts on a webpage
  - b. Look down your site-name.html page to below <body>
    - i. You will change three items:
    - ii. <h1>SITE NAME</h1> → <h1>Tel el-Amarna</h1>
    - iii. <h3>TIME PERIOD</h3> → <h3>18<sup>th</sup> Dynasty</h3>
    - iv. <h4>AUTHOR</h4> → <h4>Jane Smith</h4>
  - c. **SAVE!**
    - i. Keyboard shortcuts or under File → Save
      - 1. Path is automatic so it knows where to save in Github folder
- 9. Committing to master – back in **desktop client**
  - a. Click **Current Repository** until the **Changes** tab appears– additions/edits will appear on the right – color-coded
    - i. “Missing” img folder
      - 1. folder will not appear until images are added to it later – then the folder will appear in your forked repo
    - ii. Fill out **Summary**
      - 1. Make a descriptive summary and include a more detailed description
      - 2. Indicate what changes were made and where

- b. Click **Commit to master** – changes are saved but have not been sent to your forked repo
  - c. Click **Push origin** to send to forked repo
  - d. Check in browser to see your changes
    - i. Type in their site name: <https://username.github.io/daea-fs18/sites/site-name/site-name.html>
      - 1. | *Troubleshoot: Don't forget to type the site name in twice – the 2<sup>nd</sup> time ending with .html* |
    - ii. Should be mostly blank page with your changed body text
10. Create New Pull Request
- a. In their forked repo in github, click **New pull request**
    - i. Comparing changes – should show:
    - ii. Base fork: msu anthro/daea-fs18 base: master ← head fork: student/daea-fs18 compare: master
  - b. Click Create pull request
    - i. Summary and description come back up – can edit if they want
      - 1. | *Troubleshoot: if you committed to master in desktop client twice before creating a pull request, then must create a new summary and description – just summarize/describe both commits* |
  - c. Click **Create pull request** again
  - d. A yellow box appears while it's creating the request then green if the branch/request has no conflicts – has been successfully sent
    - i. | *Troubleshoot: If there are conflicts, don't worry – work is still turned in and I (Jack) can go in and try to locate the issues* |
11. Jack (or LEADR GA) will merge the pull request from the student forked repo to the MSU Anthro master branch of DAEA